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ANNUAL REPORT

ON THE

**SOUTH HERTS (No. 1)
COMBINED
SANITARY DISTRICT**

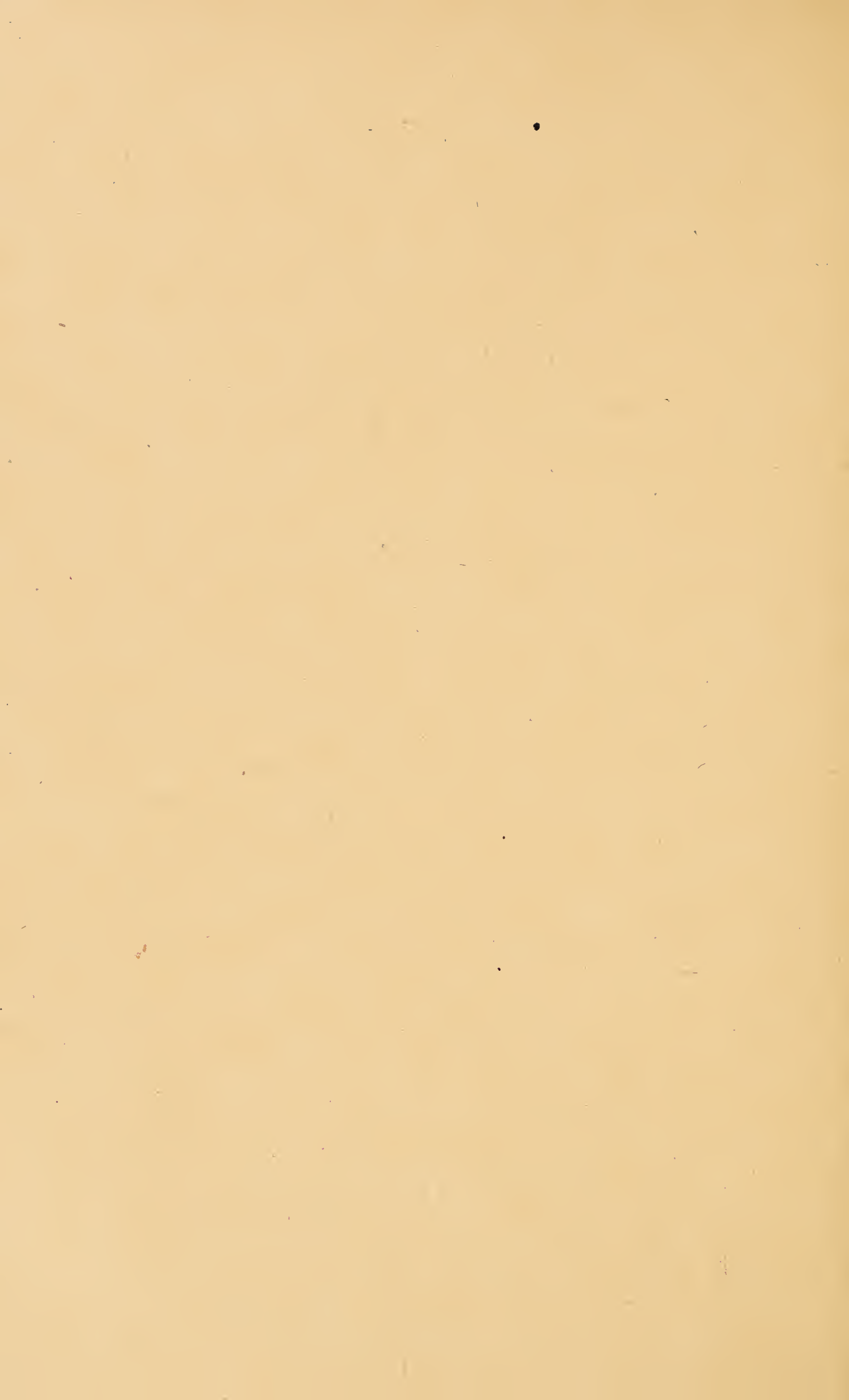


MALCOLM GROSS

M.B., B.S., (Lond.), M.R.C.S., L.R.C.P., (Eng.), D.P.H.

MEDICAL OFFICER OF HEALTH

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HEMEL HEMPSTEAD

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P R E F A C E

Vital statistics for the District show a further rise in the birth-rate—21.5 as compared with 18.8 in 1945 and 19.1 in 1946. There was an increase also in the death-rate (11.8) as compared with 11.2 in 1945 and 11 in 1946. Mortality among the aged as a result of severe wintry conditions may have contributed to this rise. The infantile mortality rate rose from 26.8 in 1946 to 30.4 in 1947; this however, is still lower than in 1945 when the rate was 34.9. The 1947 figure for the whole of England and Wales ⁴¹ is ~~43~~. The total number of infant deaths in the District was 35 and about 80% of these occurred during the first three months of life.

Apart from an epidemic of Measles, the incidence of infectious disease was light. There were altogether 435 notifications of Measles, the majority being mostly in the Borough and the Rural District of Hemel Hempstead. There were no deaths.

Altogether, 59 cases of Scarlet Fever were notified as compared with 48 in the previous year. Of these 59 cases, 21 occurred in various residential schools, camps or other institutions.

There was only one case of Diphtheria in an adult. It was estimated that at the end of the year the percentage of children in the District who had been immunised against diphtheria was in the neighbourhood of 60.

The District was only slightly involved in the epidemic of Poliomyelitis that occurred all over the Country during 1947. There were only eight cases—mostly very mild.

There occurred at a private day and residential school another outbreak of Epidemic Nausea; this is the third outbreak in the District to be recorded in the last few years.

The number of persons attending the Hemel Hempstead Cleansing Station during the year fell to 47 as compared with 153 in 1946. Practically all were cases or contacts of scabies.

Under Ministry of Health Circular 2734/43, Insulin was provided free of charge to 6 cases of Diabetes.

MALCOLM GROSS,

Medical Officer of Health.

Public Health Department,
Market Square,
Hemel Hempstead,
Herts.

August, 1948.

BOROUGH OF HEMEL HEMPSTEAD

S T A T I S T I C S

The Borough comprises	7,193 acres
Population (Registrar-General's estimate of the resident population) 1947	21,850
Number of inhabited houses (end of 1947) according to rate books	5,998
Rateable Value	£136,359
Sum represented by a penny rate	£542

Extracts from Vital Statistics for the Year.

		Total.	M.	F.	
LIVE BIRTHS	(Legitimate	476	246	230	BIRTH-RATE
	(				per 1,000 of the
	(Illegitimate	15	8	7	estimated resi-
					dent population 22.5
STILL-BIRTHS	(Legitimate	9	3	6	STILL-BIRTH
	(				RATE per 1,000
	(Illegitimate	1	1	—	(live and still)
					births 19.9
DEATHS	... ..	264	148	116	DEATH-RATE
					per 1,000 of the
					estimated resi-
					dent population 12.1

Deaths from Puerperal Causes NIL

Death-Rate of Infants Under One Year of Age.

All infants per 1,000 live births	28.5
Legitimate infants per 1,000 legitimate births	27.3
Illegitimate infants per 1,000 illegitimate births	66.6
Actual number of deaths under 1 year:	
Legitimate	13) Total
Illegitimate	1) 14

Deaths from Cancer (all ages)	44
Deaths from Measles (all ages)	NIL
Deaths from Whooping Cough (all ages)	NIL
Deaths from Diarrhoea (Under 2 years of age)	1

BOROUGH OF HEMEL HEMPSTEAD

Principal Causes of Death.

Of the 264 deaths, 75 were attributed to Heart Disease, 36 to Other Circulatory Diseases, 44 to Cancer, 18 to Tuberculosis (4 were non-respiratory), 29 to Other Respiratory Diseases; 3 were due to Road Traffic Accidents and 1 to Influenza.

Causes of Death of Infants Under One Year of Age.

Of the 14 deaths, 6 were due to Congenital Disease, 4 to Prematurity, 2 to Accidents* and 1 each to Gastro-Enteritis and Broncho-Pneumonia.

REPORT OF THE SANITARY INSPECTOR'S WORK FOR THE YEAR 1947.

Visits and Inspections.

GENERAL :	Houses—Public Health Acts	...	...	893
	Housing Act	...	...	30
	Housing Survey	...	...	478
	Infectious diseases	...	...	126
	Overcrowding	...	...	776
	Complaints	...	...	725
	Drainage inspections and tests	...	...	188
	Common Lodging Houses	...	...	16
	Tents, Vans and Sheds	...	...	71
	Canal Boats	...	...	16
	Stables and Piggeries	...	...	6
	Rats and Mice Infestation	...	...	2254
	Factories	...	...	250
	Outworkers' Rooms	...	...	46
	Bakehouses	...	...	54
	Schools	...	...	19
	Cinemas	...	...	6
	Shops Acts	...	...	128
	Petroleum Acts	...	...	105
	Vacant Land and Dumps	...	...	2
	Verminous Premises or Rooms	...	...	95
	Cesspools	...	...	35
	Interviews with Owners, etc.	...	...	324
	Miscellaneous Visits	...	...	223
	Revisits to Premises under Notice	...	...	2120
	Water Supply	...	...	67
	Smoke Observations	...	...	17
	Swimming Pool	...	...	7

B O R O U G H O F H E M E L H E M P S T E A D

MEAT AND FOODS :	Slaughterhouses	...	...	...	...	27
	Butcher's Shops and Stalls	...	...	...	...	118
	Fried Fish Shops	...	...	...	...	20
	General Food Shops and Premises	...	...	...	...	191
	Dairies and Milkshops	...	...	...	...	294
	Cowsheds	...	...	...	...	161
	Ice Cream Premises	...	...	...	...	117
	Restaurants and Dining Rooms	...	...	...	...	67
	Milk Samples taken	...	...	...	...	102
	Milk Samples tested at office	...	...	...	...	52
	Milk Bottles and Churn rinses	...	...	...	...	40
	Water Samples taken	...	...	...	...	43
	Ice Cream Samples taken	...	...	...	...	18

Notices Served and Complied With.

Outstanding 31.12.46	Served 1947	Complied with 1947	Outstanding 31.12.47
<u>148</u>	<u>661</u>	<u>605</u>	<u>204</u>

Nuisances and Defects Remedied after Service of Notice:

Houses	...	...	...	...	...	...	...	582
Drainage	...	...	...	...	...	...	...	81
Waterclosets	...	...	...	...	...	...	...	203
New Dustbins provided	...	...	...	...	...	...	...	24
Miscellaneous	...	...	...	...	...	...	...	177
Shops	...	...	...	...	...	...	...	10
Common Lodging Houses	...	...	...	...	...	...	...	1
Dairies and Milkshops	...	...	...	...	...	...	...	9
Cowsheds	...	...	...	...	...	...	...	13
Food Premises	...	...	...	...	...	...	...	35
Factories and Workplaces	...	...	...	...	...	...	...	33
Petroleum Stores	...	...	...	...	...	...	...	3
Moveable Dwellings	...	...	...	...	...	...	...	2

Disinfection and Disinfestation.

Routine spraying of bedrooms of new Council houses with D.D.T. was carried out before occupation. 21 houses were so dealt with. All prospective tenants were visited in an endeavour to ensure that furniture and effects were vermin free—disinfestation was necessary in occasional cases.

B O R O U G H O F H E M E L H E M P S T E A D

22 other houses were disinfested in order to eliminate bed bugs and three for the riddance of other vermin.

Disinfection of Bedding and Rooms.

Twenty-six loads of bedding were steam treated for vermin or after infectious disease, and thirty-five houses were disinfected after the occurrence of infectious disease.

Milk Production and Distribution.

Control:—

(a) UNGRADED MILK :

Resazurin tests of milk from local farms and retail dairies which are not included in the National Milk Testing and Advisory Scheme were continued during the year. The results show a slight improvement on previous years, which is satisfactory, when considering the long spell of hot, dry weather last summer. The reduced number of samples is accounted for by the severe weather conditions in the early months of the year, which made farm visits impracticable.

RESAZURIN TESTS (Keeping Quality)

Category	Number of Samples	
	1947	1946
A. Satisfactory	46 (88.46%)	78 (82.98%)
B. Doubtful	5 (9.62%)	16 (17.02%)
C. Unsatisfactory	1 (1.92%)	Nil.

(b) WASHED MILK BOTTLES :

Regular bacteriological examination of milk bottles taken at random from crates of bottles ready for filling at dairies was continued, and it is a valuable check on bottle washing and sterilizing methods. The standard adopted is 0-600 bacteria for a satisfactory bottle: of the 31 satisfactory reports, 3 were stated to be sterile, and 18 of the remainder were below 100 per bottle.

Of the unsatisfactory bottles, four were from one large dairy where mechanical washing plant was being overloaded due to expansion of trade. The plant has now been adapted to overcome the difficulty and satisfactory results are being obtained.

BOROUGH OF HEMEL HEMPSTEAD

Bacteriological Results of Rinses from Washed Milk Bottles.

Count per bottle	Sterile	1—100	101—600	601— 1000	1001— 5000	Over 5000
Satisfactory ...	3	18	10	—	—	—
Unsatisfactory	—	—	—	—	8	1

Designated Milk:—

Designated milks were being produced at the end of the year as follows:—

Tuberculin Tested Milk	...	...	4 farms
Accredited Milk	...	...	3 farms

Twenty-four samples of pasteurised milk were submitted for examination by the prescribed tests:—

Number of samples	...	...	...	24
Satisfactory	...	...	...	20

Apart from one methylene blue test failure, the unsatisfactory results were confined to a short period in the early part of the year.

Nine samples of T.T. milk were submitted for examination, of which seven were unsatisfactory: these were reported to the County Health Department where appropriate action was taken.

The bulk of the milk consumed in the Borough has been pasteurised. Of the 26 farms actually in the Borough, 4 produce Tuberculin Tested milk and 3 Accredited milk. The other 19 produce Non-Graded milk.

Premises:—

At one dairy farm the cowshed was modernised and provided with electric light and a new dairy was built, and an additional cowshed was erected at another farm. Various repairs were carried out, and other work was in progress at the end of the year.

It is disappointing to record that improvements on one farm, including a new dairy, have been cancelled in view of the New Town proposals, as it appears likely that the area concerned is one of those where early development will take place. The owners are not prepared to spend a large amount of money on buildings which would appear to have a very short life.

B O R O U G H O F H E M E L H E M P S T E A D

Register:—

The number of persons on the register at the end of 1947 was as follows:—

Cowkeepers only	...	...	...	...	21
Cowkeeper Retailers	...	...	...	...	5
Retailers (resident in Borough)	...	...	...	...	7
Retailers (not resident in Borough)	...	...	...	...	8
Retailers—Bottled Milk only (General Shops)	...	...	...	...	11
Total					<hr/> 52 <hr/>

Ice Cream.

Ice cream has received wide publicity during 1947, and much has been done throughout the country to improve the conditions under which this food is produced. In the early part of the year the Ice Cream (Heat Treatment) Regulations were issued by the Ministry of Health, and, although these Regulations are not so drastic as many wished, they have been a real assistance to local authorities. In addition to prescribing the methods which must be employed in manufacturing ice cream, the requirement to protect the product and apparatus and utensils at all times from dust, dirt and other contamination extends a measure of control to mobile vendors using vans, barrows and market stalls—a matter which previously caused some concern.

There are two manufacturers in the Borough; both are keenly interested, and by adapting their existing premises and utilising the best temporary equipment which is available, they are providing a first class article.

STANDARDS. Towards the end of the year, when experience of the new Regulations had been obtained, the Sanitary Inspectors of Hertfordshire and Bedfordshire adopted certain standards covering manufacture, storage and distribution. The aim was to specify minimum standards which could be applied equally to urban and rural areas, to large scale and small scale traders. Flexibility and reasonableness were the two main guides, so that while public health was adequately safeguarded, the Inspectors concerned could use their discretion in individual cases, and the traders would feel that the suggestions made were necessary and not irksome.

BOROUGH OF HEMEL HEMPSTEAD

SAMPLING. During the year, 18 samples of ice cream were submitted to the Methylene Blue Test, as specified by the Ministry of Health. From my own experience, and that of others, I believe that this test is far from ideal, and that the results should be interpreted with caution. It is hoped that a more reliable bacteriological test will be introduced in due course, and that the supply of ingredients will so improve as to permit of the adoption of a chemical standard.

By the end of the year, the two local manufacturers obtained Grade I results. Ice cream manufactured outside the Borough was sampled immediately on arrival at the retailers premises: a supplier from Watford attained Grade II, but those from London and Luton were reported as Grade IV.

FACTORIES, WORKSHOPS AND WORKPLACES.

Prescribed Particulars on the Administration of the Factories Act, 1937.

I. INSPECTIONS for purposes of provisions as to health (including inspections made by Sanitary Inspectors)

Premises	Number on Register	Number of		
		Inspections	Written Notices	Occupiers Prosecuted
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	60	36	2	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	100	214	25	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding outworkers' premises) ...	—	—	—	—
TOTAL ...	160	250	27	—

BOROUGH OF HEMEL HEMPSTEAD

2. CASES IN WHICH DEFECTS WERE FOUND

Particulars	Number of cases in which Defects were found				Number of cases in which prosecu- tions were instituted
	Found	Reme- died	Referred		
			To H.M. Inspector	By H.M. Inspector	
Want of Cleanliness	1	1	—	—	—
Sanitary conveniences:					
(a) insufficient	2	1	—	—	—
(b) unsuitable or defective	27	12	—	—	—
(c) not separate for sexes ...	2	2	—	1	—
TOTAL	32	16	—	1	—

Outwork.

SECTION 110 :

Number of outworkers in August list required by Sect. 110(1)(c):					
Wearing apparel—Making, etc. ... ..	...	...	...	...	9
Tents ... ..	...	...	...	...	1
The making of boxes or other receptacles or parts thereof made wholly or partially of paper ...					68
Brush making ... ..	...	...	...	...	29
Total ... ..				...	107

No. of cases in default in sending lists to the Council ...	Nil
No. of prosecutions for failure to supply lists	Nil

SECTION 111 :

Number of instances of work in unwholesome premises ...	Nil
---	-----

HOUSING

1. During the year 1947, the following number of houses were:—
(a) COMMENCED ONLY.

	Local Authority		Private Enterprise
	Number	Type	
Temporary Prefabricated	Nil	—	Nil
Permanent Prefabricated	102	3 bedroom B.I.S.F.	Nil
Permanent Brick	66	3 and 4 bedroom	14

B O R O U G H O F H E M E L H E M P S T E A D

(b) COMPLETED.

	Local Authority		Private Enterprise
	Number	Type	
Temporary Prefabricated	Nil	—	Nil
Permanent Prefabricated	16	3 bedroom B.I.S.F.	Nil
Permanent Brick	40	2, 3 and 4 bedroom	58

2. The position in regard to **Housing Schemes** at 31.12.47 was as follows:

(a) PARTICULARS OF SCHEMES COMPLETED SINCE 1.1.45 up to 31.12.47.

Site	No. of Houses	Type of House
Crabtree Lane ...	31	} Temporary Prefabricated—2 bedroom
Wood Crescent ...	19	

(b) PARTICULARS OF SCHEMES COMMENCED SINCE 1.1.45, BUT NOT COMPLETED AT 31.12.47.

Site	Proposed No. of Houses	Type (all permanent)	Number Completed
Belswains Farm Estate	102	2, 3 and 4 bedroom	40
Beechfield Estate ...	98	do.	Nil
Adeyfield Road Estate	102	3 bedroom B.I.S.F.	16
Stonelea Road... ..	31	3 bedroom	14
Oakdene Road ...	6	do.	Nil

(c) PARTICULARS OF OTHER SCHEMES PROJECTED SINCE 1.1.45 (i.e., Schemes about which arrangements are in hand, but where a start had not been made at 31.12.47).

Site	Proposed No. of Houses	Type (all permanent)
Vauxhall Road	14	—
Belswains Lane Estate	90	—
Beechfield Estate	138	2, 3 and 4 bedroom
Seaton and Deaconsfield Roads ...	2	3 bedroom

BOROUGH OF HEMEL HEMPSTEAD

3. The Sanitary Inspector states: " Difficulties in securing attention to repairs increased during the year, and only urgent matters were dealt with. Towards the end of the year a Housing Survey of the whole area was commenced: from the information obtained it will be possible to obtain a picture of the general condition of working class houses in the Borough, and to work out a plan of campaign when it is once more possible to return to more normal practice."

WATER SUPPLIES

The greater part of the Borough is supplied by mains water; a small area at Felden is connected to the Rickmansworth and Uxbridge Valley Company's water supply, and the remainder of the town relies on the Council's two boreholes near the centre of the town. These two bores, 326' and 346' in depth respectively, are in chalk. The main supplies are of good quality and satisfactory in quantity, although scarcity has been experienced in some areas at times of peak load, as housing development has outstripped mains development. Large schemes are already in hand to meet probable future development.

During the year, these supplies were sampled at regular intervals, with the following results:—

Description of Samples	No of Samples					
	Bacteriological Exam			Chemical Examination		
	Taken	Satis.	Unsat.	Taken	Satis.	Unsat.
Raw Water—before treatment	12	11	1	—	—	—
Chlorinated Water—as supplied to mains	12	12	—	2	2	—

The whole of the water for public supply is subjected to chlorination.

Sixteen private supplies from bores and wells were sampled, two wells at Winkwell proving unsatisfactory. In one case the cottage was connected to a satisfactory deep bore supply from an adjoining property. The position at Winkwell is unsatisfactory and it is hoped that in the coming year a scheme will be agreed to which will bring mains water to this hamlet.

BOROUGH OF HEMEL HEMPSTEAD

The following table shows the position at the end of 1947:—

Total Number in Borough	{	Houses 5,938	Persons 22,120 *
Number supplied from Main—			
(a) direct		5,866	21,907
(b) to outside standpipes		26	71
		5,892	21,978
Number supplied by wells		46	142
	TOTAL	5,938	22,120

* Registrar-General's estimated resident population for 1946.

DRAINAGE AND SANITATION

There were no extensions to the sewer during the year.

Arrangements regarding the emptying of cesspools came under consideration. The emptying, which is carried out by Contractors, is, as far as it goes, satisfactory. The arrangements are, however, handicapped (1) by reason of the Council's Scheme being restricted to premises built before February 1944, and (2) by reason of the charges made for emptying acting as a check on the work being sufficiently often executed.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS DISEASES.

The following table gives details of Notifiable Diseases (excluding Tuberculosis) during the year:—

Disease	Total Cases Notified	Admitted to Hospital	Deaths
Scarlet Fever	19	19	Nil
Whooping Cough	3	Nil	Nil
Acute Poliomyelitis	5	5	Nil
Measles	242	29	Nil
Pneumonia	10	8	—
Paratyphoid ' B ' Fever	1	1	Nil
Erysipelas	2	1	—
Puerperal Pyrexia	1	1	Nil
Weil's Disease	2	2	—
Undulant Fever	1	1	—
Infective Hepatitis	5	Nil	—

BOROUGH OF HEMEL HEMPSTEAD

Analysis of Notified Cases Under Age Groups.

Age Groups	Scarlet Fever	Whooping Cough	Acute Poliomyelitis	Measles	Pneumonia	Paratyphoid 'B' Fever	Erysipelas	Puerperal Pyrexia	Weil's Disease	Undulant Fever	Infective Hepatitis
Under 1 year ...	...	...	...	11	...	...	...	...	...	...	...
1 to 2 years ...	...	...	...	21	...	...	...	...	...	...	...
2 to 3 „ ...	1	1	1	21	...	...	...	...	...	...	...
3 to 4 „ ...	...	...	...	24	...	...	...	...	...	...	...
4 to 5 „ ...	3	...	...	39	...	...	...	...	...	...	...
5 to 10 „ ...	8	1	1	114	1	...	...	...	...	...	1
10 to 15 „ ...	4	1	...	5	1	...	...	...	...	...	...
15 to 20 „ ...	2	...	1	4	...	...	...	...	...	...	...
20 to 35 „ ...	1	...	1	...	2	...	...	1	...	...	1
35 to 45 „ ...	...	...	1	1	1	...	1	...	2	...	1
45 to 65 „ ...	...	...	...	1	2	1	1	...	...	1	2
65 and upwards ..	...	...	...	...	3	...	...	...	...	...	...
Age Unknown ...	...	...	...	1	...	...	...	...	...	...	...
TOTAL CASES NOTIFIED ...	19	3	5	242	10	1	2	1	2	1	5

Poliomyelitis.

All the 5 cases in the Borough were admitted to the West Herts Hospital, but only three of them came from Borough homes (one other being admitted from Bovingdon and one from Redbourn). Of these three, one, an adolescent, developed the disease in hospital while recuperating from an abdominal operation, one was an adult in the forties and one a child aged 5 years. All three cases made a good recovery.

During the period of prevalence in the County, attention was paid to the hygiene of the swimming bath; medical practitioners were supplied with extracts from a memorandum by Medical Officers to the Ministry of Health and were kept acquainted of cases in or near the district.

Paratyphoid ' B ' Fever.

Investigation into the origin of this case, occurring in an adult, brought to light an unsatisfactory water supply which was remedied.

Scarlet Fever.

There were sporadic cases throughout the year, the only definite series being 5 cases related to Two Waters School. With the assistance of the Medical Officer at Watford Ministry of Health Laboratory, the whole of the Infants' School was swabbed. A large percentage were found to carry virulent haemolytic streptococci belonging to Lancefield's Group A and all were excluded. Re-swabbing of these carriers allowed the return of those who were clear. A residue of carriers remained when the Christmas holidays arrived. All were allowed to return to school after the holidays on the presumption that the lapse of several weeks would reduce the carrier-rate still further. There were no further cases of Scarlet Fever.

Measles.

There was a definite epidemic during 1947: it actually appears to have commenced by December 1946. There was a gradual rise in the number of cases notified until March; the numbers rose steeply during the next two months, falling rapidly during July and August. The epidemic ended in September. Altogether, 242 cases were notified. Of these, 29 cases, mostly from institutions, were admitted to isolation hospital — one or two owing to the insufficiency of nursing at home. There were no deaths.

Posters were issued during the year giving advice as to the precautions against and treatment of Measles and Whooping Cough.

Epidemic Nausea.

An outbreak of this interesting condition occurred during March at a Private Day and Residential School. The outbreak, which was quite typical, involved a number of both day and resident children and some of the resident staff.

An epidemiologist from the Ministry of Health visited the School and investigated the outbreak in great detail. The condition is interesting because of its possible relation to more serious virus infections; it is in itself a mild condition.

Diphtheria.

No cases of Diphtheria occurred during the year.

BOROUGH OF HEMEL HEMPSTEAD

IMMUNISATION.

Number of children who completed a full course of primary immunisation in the Authority's area (including temporary residents) in the year 1947			Total number of children who were given a secondary or reinforcing injection (i.e. subsequent to complete full course)
Age at date of Final Injection		Total	During the year ended 31st December, 1947
Under 5	5—14		
214	13	227	90

Approximate percentage of children in the Borough who had been immunised at the end of 1947 ... 55%.

Tuberculosis.

NEW CASES.				DEATHS.			
Pulmonary	...	...	25	Pulmonary	...	...	14
Non-Pulmonary	...	...	5	Non-Pulmonary	...	...	4

Health Propaganda.

During the autumn, three addresses on health subjects were arranged with the assistance of the Central Council for Health Education. They were accompanied by health films and were delivered to nurses, teachers, leaders of youth and leaders of various voluntary organisations, and were given with the object of leading to further addresses to suitable bodies in the District. That they filled their purpose to some extent has been shown by recent requests for talks on health subjects from several organisations in the District.

RURAL DISTRICT OF HEMEL HEMPSTEAD

S T A T I S T I C S

The Rural District comprises an area of 20,249 acres and is made up of the parishes of Kings Langley, Flaunden, Bovington, Great Gaddesden, Flamstead and Markyate.

Population (Registrar-General's estimate of the resident population) 1947	...	...	...	...	...	10,000
Number of inhabited houses (end of 1947) according to rate books	...	...	...	...	...	3,126
Rateable Value	...	...	...	...	...	£65,501
Sum represented by a penny rate	...	...	...	...	...	£269

Extracts from Vital Statistics for the Year.

			Total.	M.	F.	
LIVE BIRTHS	(Legitimate	238	118	120	)	BIRTH-RATE
	(				)	per 1,000 of the
	(Illegitimate	12	2	10	)	estimated resi-
						dent population 25.0
STILL-BIRTHS	(Legitimate	5	3	2	)	STILL-BIRTH
	(				)	RATE per 1,000
	(Illegitimate	—	—	—	)	(live and still)
						births 19.6
DEATHS	...	...	118	54	64	DEATH-RATE
						per 1,000 of the
						estimated resi-
						dent population 11.8

Deaths from Puerperal Causes NIL

Death-Rate of Infants Under One Year of Age.

All infants per 1,000 live births	...	...	...	28.0
Legitimate infants per 1,000 legitimate births	...	...	...	25.2
Illegitimate infants per 1,000 illegitimate births	...	...	...	83.3
Actual number of deaths under one year:				
Legitimate	...	...	...	6) Total
Illegitimate	...	...	...	1) 7
Deaths from Cancer (all ages)	...	...	...	21
Deaths from Measles (all ages)	...	...	...	NIL
Deaths from Whooping Cough (all ages)	...	...	...	NIL
Deaths from Diarrhoea (Under 2 years of age)	...	...	...	1

RURAL DISTRICT OF HEMEL HEMPSTEAD

Principal Causes of Death.

Of the 118 deaths, 38 were attributable to Heart Disease and 20 to Other Circulatory Diseases, 21 to Cancer, 2 to Respiratory Tuberculosis and 14 to Other Respiratory Diseases. 1 death occurred from Influenza and 1 from Road Traffic Accident.

Causes of Death of Infants Under One Year of Age.

Of the 7 deaths, 2 were attributable to Prematurity, 3 to Congenital Defect, 1 to Cholaemia and Furuncle of Face, and 1 to Gastro-Enteritis. All deaths were under the age of three months.

REPORT OF THE SANITARY INSPECTOR'S WORK FOR THE YEAR 1947.

Visits and Inspections Made.

Water Supply	...	...	...	...	...	...	22
Drainage	...	...	...	...	...	...	14
Stables and Piggeries	...	...	...	...	...	...	2
Fried Fish Shops	...	...	...	...	...	...	2
Tents, Vans and Sheds	...	...	...	...	...	...	30
Factories	...	...	...	...	...	...	8
Bakehouses	...	...	...	...	...	...	8
Refuse Collection	...	...	...	...	...	...	14
Refuse Disposal	...	...	...	...	...	...	27
Rats and Mice	...	...	...	...	...	...	2
Schools	...	...	...	...	...	...	3
Shops	...	...	...	...	...	...	1
Miscellaneous Sanitary Visits	...	...	...	...	...	...	16
Re-inspections	...	...	...	...	...	...	163
Complaints	...	...	...	...	...	...	56
Interviews	...	...	...	...	...	...	47
Visits to Requisitioned Houses	...	...	...	...	...	...	25
Petroleum Installations	...	...	...	...	...	...	3
Houses inspected under Public Health Acts	...	...	...	...	...	...	92
Houses inspected under Housing Acts (including Rural Housing Survey)	...	...	...	...	...	...	385
Houses inspected in consequence of overcrowding	...	...	...	...	...	...	2
Verminous premises inspected	...	...	...	...	...	...	2

RURAL DISTRICT OF HEMEL HEMPSTEAD

Miscellaneous Housing visits	...	...	...	...	...	...	32
Enquiries in cases of Infectious Disease	...	...	...	...	...	...	30
Visits re. Disinfection	...	...	...	...	...	...	10
Miscellaneous Infectious Disease visits	...	...	...	...	...	...	4
Slaughterhouses	...	...	...	...	...	...	1
Butchers	...	...	...	...	...	...	31
Fishmongers and Poulterers	...	...	...	...	...	...	3
Grocers	...	...	...	...	...	...	14
Greengrocers	...	...	...	...	...	...	1
Cowsheds	...	...	...	...	...	...	135
Dairies and Milkshops	...	...	...	...	...	...	14
Ice Cream Premises	...	...	...	...	...	...	2
Food-preparing Premises	...	...	...	...	...	...	2
Restaurants	...	...	...	...	...	...	1
Public Houses	...	...	...	...	...	...	2

Notices Served and Complied With.

					<i>Statutory.</i>	<i>Informal.</i>
Outstanding 1946	...	...	...	...	5	48*
Served 1947	...	...	...	...	6	198
Complied with 1947	...	...	...	...	9	120
Outstanding 31.12.47	...	...	...	...	2	78

* Discrepancy in these figures is accounted for by abandonment of many old notices and re-serving them.

Nuisances and Defects Remedied.

Dustbins	...	...	...	...	...	...	64
Fireplaces	...	...	...	...	...	...	3
Houses with defective windows	...	...	...	...	...	...	8
Houses with defective brickwork	...	...	...	...	...	...	10
Houses with defective roofs	...	...	...	...	...	...	12
Drains	...	...	...	...	...	...	22
Sinks	...	...	...	...	...	...	5
W.C.'s	...	...	...	...	...	...	3
Water Supply	...	...	...	...	...	...	5
Cleanliness	...	...	...	...	...	...	8
Wall and Ceiling Plaster	...	...	...	...	...	...	3
General Dampness	...	...	...	...	...	...	4
Overcrowding	...	...	...	...	...	...	1

RURAL DISTRICT OF HEMEL HEMPSTEAD

Milk Production and Distribution.

(a) REGISTER :

The number of persons on the register at the end of 1947 was as follows:—

Cowkeepers only	58
Cowkeepers and Retailers	16
Retailers only (resident in area)	4
Retailers only (not resident in area)	4

(b) DETAILS OF FARMS :

(i) *Type of Milk Produced—*

Tuberculin Tested ...	15 farms	450 cows
Accredited ...	5 farms	93 cows
Undesignated ...	54 farms	823 cows

(ii) *Condition of Premises connected with Milk Production—*

<i>No. of Farms.</i>	<i>Condition.</i>	<i>Number of Cows Kept.</i>
28	Good	851
16	Fair	250
30	Poor	265

FACTORIES, WORKSHOPS AND WORKPLACES.

Prescribed Particulars on the Administration of the Factories Act 1937.

I. INSPECTIONS for purposes of provisions as to health (including inspections made by Sanitary Inspectors)

Premises	Number on Register	Number of		
		Inspections	Written Notices	Occupiers Prosecuted
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	40	—	—	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	32	8	2	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding outworkers' premises) ...	7	15	—	—
TOTAL ...	79	23	2	—

RURAL DISTRICT OF HEMEL HEMPSTEAD

2. CASES IN WHICH DEFECTS WERE FOUND

Particulars	Number of cases in which Defects were found				Number of cases in which prosec- utions were instituted
	Found	Reme- died	Referred		
			To H.M. Inspector	By H.M. Inspector	
Sanitary conveniences: (a) insufficient	2	2	—	—	—
TOTAL ...	2	2	—	—	—

Outwork.

Sections IIO and IIII Nil

HOUSING

I. Rural Housing Survey.

The following was the position at the end of 1947:—

Parish	Total No. of houses for inspection	Number of houses inspected	Categories *				
			1	2	3	4	5
Bovingdon ...	333	330	89	114	73	3	51
Flamstead ...	267	262	41	64	89	13	55
Flaunden ...	42	42	2	11	21	1	7
Great Gaddesden	258	254	50	74	57	4	69
Kings Langley ...	973	669	363	134	111	—	61
Markyate ...	406	406	115	77	130	8	76
TOTAL	2,279	1,963	660	474	481	29	319

* Note: Categories—

1. Satisfactory in all respects.
2. Minor Defects.
3. Requiring repair, structural alteration or improvement.
4. Appropriate for reconditioning under the Housing (Rural Workers) Acts.
5. Unfit for habitation and beyond repair at a reasonable cost.

Apart from the inspection of about 300 houses at Chipperfield, the Survey is complete.

RURAL DISTRICT OF HEMEL HEMPSTEAD

2. During the year the following number of houses were:—

(a) COMMENCED ONLY.

	Local Authority		Private Enterprise
	Number	Type	
Prefabricated	Nil	—	Nil
Permanent	46	Brick 42, Airey 4. (All 3 bedroom—20 Parlour)	9

(b) COMPLETED.

	Local Authority		Private Enterprise
	Number	Type	
Prefabricated	Nil	—	Nil
Permanent... ..	26	Brick 18, Swedish 8 (all 3 bedroom, 22 parlour)	24

3. The position in regard to **Housing Schemes** at 31.12.47 was as follows:

(a) PARTICULARS OF SCHEMES COMPLETED SINCE 1.1.45 up to 31.12.47.

Site	No. of Houses	Type of House
Markyate, Buckwood Road ...	24	Uni-Seco—Temporary
Kings Langley, Rucklers Lane...	11	Arcon—Temporary
Flamstead, Trowley Hill ...	2	U.I. Brick, 3 bed., non-parlour
„ Friendless Lane ...	8	Swedish, 3 bedroom, parlour
Chipperfield, Kings Lane ...	6	R.I. Brick, 3 bedroom, parlour

(b) PARTICULARS OF SCHEMES COMMENCED SINCE 1.1.45, BUT NOT COMPLETED AT 31.12.47.

Site	Proposed No. of Houses	Type	No. commenced	No. completed
Markyate, Buckwood Rd.	18	Brick, 3 bed., parlour	18	6
K. Langley, Rucklers Lane	12	do.	12	2
Gadd'n Row, Jockey End	4	Brick, 3 bed., N/parlour	4	2
Bovingdon... ..	10	6 Brick, 3 bed., N.P 4 Airey	10	—
K. Langley, Wesley Est'te	14	Brick, 3 bed., N/parlour	14	—
Chipperfield	6	do.	6	—
Flamstead	2	Airey, 3 bed., parlour	2	—

RURAL DISTRICT OF HEMEL HEMPSTEAD

(c) PARTICULARS OF OTHER SCHEMES PROJECTED SINCE 1.1.45 (i.e., Schemes about which arrangements are in hand, but where a start had not been made at 31.12.47).

Site	Proposed No. of Houses	Type
Kings Langley, Barnes Lane	60	40×3 bedroom, non-parlour 20×2 ,, ,,
Gaddesden Row, Jockey End	8	4×3 bedroom, parlour 4×3 bedroom, non-parlour
Flamstead	2	3 bedroom, non-parlour
Chipperfield 	4	do.
Bovingdon... 	6	3 bedroom, parlour

SANITARY CIRCUMSTANCES.

Refuse Collection.

The Council now own two Refuse Collecting Vehicles, refuse and salvage being collected by direct labour from all districts of the Rural District. The Council operate two Tips at Flamstead and Bovingdon where refuse is disposed of by tipping.

Night Soil Collection.

During 1947, this service was carried out by Contract and direct labour in Bovingdon, Flaunden, Chipperfield and Flamstead. Houses with large families are collected twice weekly. There are 775 pail closets in the area:—

Bovingdon	...	...	...	161
Chipperfield	...	...	...	165
Flaunden	...	...	...	30
Great Gaddesden	...	...	...	183
Kings Langley	...	...	...	31
Markyate	...	...	...	18
Flamstead	...	...	...	187

Cesspool Emptying.

This service is not operated in this district by the Council at present. A firm of Contractors carries out most of the work privately. Some cesspools are emptied by Luton Rural District Council and some by Chesham Urban District Council under private arrangements.

RURAL DISTRICT OF HEMEL HEMPSTEAD

The Sanitary Inspector states: "The unsatisfactory drainage arrangements of Flamstead, Gt. Gaddesden, Bovington and Chipperfield, where small but comparatively dense communities use cesspools and soakaways, is disquieting. No lasting solution can be expected until main drainage is installed. Sooner or later it is hoped to drain Bovington and Chipperfield into the Colne Valley trunk sewer. The drainage of Gt. Gaddesden will almost certainly require the construction of small sewage works and the drainage of Flamstead awaits a time when capital expenditure is again authorised. To my mind the question of drainage is fundamental to the re-conditioning and development of the Rural District."

Water Supplies.

Water supplied to Kings Langley, Bovington^{Chipperfield} and Flaunden is from the Rickmansworth and Uxbridge Valley Water Company. No samples have been taken during the year by the local authority. In this area there are a few houses supplied from the Hemel Hempstead Borough Water Works. Some outlying farms and houses have private supplies from deep bores.

Markyate is supplied from the Council's own Waterworks at Cheverells Green; chlorination is carried out. The supply is adequate and of good quality. A sample taken was satisfactory.

Flamstead village is supplied by the Council's own Waterworks at Hollybush Lane, Flamstead. The supply is restricted in quantity but of satisfactory quality, and is largely obtained from standpipes. This and the previous supply are derived from wells in the chalk. A sample taken was satisfactory. The remainder of Flamstead parish draws water from private supplies (mostly of unsatisfactory quality).

The parish of Great Gaddesden is very widespread and the sources of water are numerous. In this parish, Potten End receives adequate supplies from the Great Berkhamsted Water Company. The hamlets of Jockey End and Chequers End in Gaddesden Row are supplied by Council sources from deep wells in the chalk; in both cases chlorination is carried out. The supplies are restricted in quantity, but of good quality; distribution is poor. Great Gaddesden village has a supply from a borehole 100 feet deep. Two samples proved unsatisfactory and necessitated closure of the borehole and the fetching of water from a well near Church Meadow Cottages.

RURAL DISTRICT OF HEMEL HEMPSTEAD

Throughout the remainder of the parish, private sources are used—mostly from deep bores into the chalk.

In the Rural District there are two houses at Bovingdon supplied by rainwater only. Four houses in Flamstead and nineteen houses in Gt. Gaddesden village are without water supply within a reasonable distance.

Altogether 15 samples of water were taken during the year. These proved satisfactory with the exception of:—

- (a) Private Borehole supply, Great Gaddesden Village (two).
- (b) One sample from a well supplying Gade Valley Cottages (North), Great Gaddesden. This was re-sampled and found satisfactory.

Particulars of the number of dwelling houses and the number of population supplied from public water mains:—

Parish	Population 1947 *	Total No of Dwellings	(a) Direct to Houses		(b) By means of stand-pipes	
			Houses	Pop'n.	Houses	Pop'n.
Bovingdon ...	1616	562	493	1409	67	201
Flaunden ...	182	52	29	101	23	81
Kings Langley	3437	1047	1012	3340	18	59
Chipperfield ...	1260	390	326	1043	64	205
Flamstead ...	1025	326	72	223	126	390
Gt. Gaddesden	1008	306	60	198	79	261
Markyate ...	1592	481	351	1158	108	356

* Population figures are approximate.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS DISEASE.

The following table gives details of Notifiable Diseases (excluding Tuberculosis) during the year:—

Disease	Total cases Notified	Admitted to Hospital	Deaths
Scarlet Fever	1	Nil	Nil
Whooping Cough	5	Nil	Nil
Acute Poliomyelitis	2	1	Nil
Measles	113	Nil	Nil
Diphtheria	1	1	Nil
Pneumonia	4	—	—
Undulant Fever	1	1	—
Infective Hepatitis	6	—	—

RURAL DISTRICT OF HEMEL HEMPSTEAD

Analysis of Notified Cases Under Age Groups.

Age Groups	Scarlet Fever	Whooping Cough	Acute Poliomyelitis	Measles	Diphtheria	Pneumonia	Undulant Fever	Infective Hepatitis
Under 1 year	1	...	..	...	...
1 to 2 years	1	8	...	...	...	...
2 to 3 „	7	...	...	...	...
3 to 4 „	1	...	11	...	..	...	...
4 to 5 „	1	...	11	...	...	...	...
5 to 10 „	1	60	...	...	...	3
10 to 15 „	9	..	...	...	1
15 to 20 „
20 to 35 „ ...	1	...	...	...	1	...	...	1
35 to 45 „	1	...	1	...	1
45 to 65 „	2	1	...
65 and upwards	1	...	...
Age Unknown	3	...	5	...	...	...	...
TOTAL CASES NOTIFIED ...	1	5	2	113	1	4	1	6

Measles.

Measles was epidemic in the area. Prevalence was greatest in January and February, and again in May and July. It was not found necessary to remove any case to hospital. There were no deaths.

Poliomyelitis.

Only 2 cases occurred in the Rural area. Neither case was severe. One case was removed to Hospital.

Diphtheria.

Only one case, an adult, occurred during the year.

RURAL DISTRICT OF HEMEL HEMPSTEAD

IMMUNISATION :

Number of children who completed a full course of primary immunisation in the Authority's area (including temporary residents) in the year 1947			Total number of children who were given a secondary or reinforcing injection (i.e. subsequent to complete full course)
Age at date of Final Injection		Total	During the year ended 31st December, 1947
Under 5	5—14		
117	9	126	81

Approximate percentage of children in the Rural District who had been immunised at the end of 1947 ... 74%.

Tuberculosis.

NEW CASES.				DEATHS.			
Pulmonary	...	...	3	Pulmonary	...	...	2
Non-Pulmonary	...	...	3	Non-Pulmonary	...	...	0

URBAN DISTRICT OF BERKHAMSTED

STATISTICS

The Urban District of Berkhamsted comprises an area of 2,017 acres.

Population (Registrar-General's estimate of the resident population) 1947	...	...	...	...	...	11,050
Number of inhabited houses (end of 1947) according to rate books	...	...	...	...	...	3,124
Rateable Value	...	...	...	...	...	£92,910
Sum represented by a penny rate	...	...	...	...	...	£370

Extracts from Vital Statistics for the Year.

		Total.	M.	F.	
LIVE BIRTHS	(Legitimate	187	102	85	) BIRTH-RATE
	(				) per 1,000 of the
	(Illegitimate	9	4	5	) estimated resi-
					) dent population 17.7
STILL-BIRTHS	(Legitimate	3	2	1	) STILL-BIRTH
	(				) RATE per 1,000
	(Illegitimate	—	—	—	) (live and still)
					births 15.1
DEATHS	...	113	49	64	DEATH-RATE
					per 1,000 of the
					estimated resi-
					dent population 10.2

Deaths from Puerperal Causes NIL

Death-Rate of Infants Under One Year of Age.

All infants per 1,000 live births	...	...	...	35.7
Legitimate infants per 1,000 legitimate births	...	...	...	32.1
Illegitimate infants per 1,000 illegitimate births	...	...	...	111.1

Actual number of deaths under one year:

Legitimate	...	...	...	...	6	) Total
Illegitimate	...	...	...	...	1	) <u>7</u>

U R B A N D I S T R I C T O F B E R K H A M S T E D

Deaths from Cancer (all ages)	...	...	...	14
Deaths from Measles (all ages)	...	...	...	NIL
Deaths from Whooping Cough (all ages)	...	...	...	NIL
Deaths from Diarrhoea (Under 2 years of age)	...	...	...	NIL

Principal Causes of Death.

Of the 113 deaths, 33 were attributable to Heart Disease and 17 to Other Circulatory Diseases; 5 were due to Pulmonary Tuberculosis and 18 to Other Respiratory Diseases. There were 14 deaths from Cancer.

Causes of Death of Infants Under One Year of Age.

Of the 7 deaths, 3 were due to Congenital Disease, 2 to Prematurity, 1 to Wasting and 1 to Pulmonary Congestion. All the deaths occurred at an age below three months.

REPORT OF THE SANITARY INSPECTOR'S WORK FOR THE YEAR 1947.

Visits and Inspections.

Inspections under Housing Consolidated Regulations	9
Inspections under Housing and Public Health Acts ...	223
Revisits to Property under Notice	173
Investigation of Overcrowding & Housing Applications	74
Premises Requisitioned for Re-housing purposes ...	102
Interviews with Owners, etc.	89
Investigations and visits to Infectious Diseases ...	49
Verminous Premises	3
Meat Shops	86
Provision Stores	46
Food Preparing Premises	28
Bakehouses	25
Dairies and Milkshops	20
Cowsheds	8
Ice Cream Premises	37
Ice Cream Samples—Bacteriological	19
Chemical	2
Fried Fish Premises	10
Market Inspections	40

U R B A N D I S T R I C T O F B E R K H A M S T E D

Factories	...	...	...	...	...	...	29
Outworkers Premises	...	...	...	...	...	...	2
Licensed Premises	...	...	...	...	...	...	4
School Conveniences	...	...	...	...	...	...	3
Swimming Baths	...	...	...	...	...	...	8
Common Lodging Houses	...	...	...	...	...	...	10
Miscellaneous and Unsuccessful visits	...	...	...	...	...	...	85
Water Samples—Bacteriological	...	...	...	...	...	...	9
Chemical	...	...	...	...	...	...	2

Civil Building Licensing.

Inspection of properties	...	...	...	...	...	...	108
Interviews with Owners, Builders, etc.	...	...	...	...	...	...	133

Matters Referred To:

County Pests Officer (Rats & Mice Destruction Act 1919)	...	...	...	...	...	...	36
H.M. Factory Inspector (Factories Act, 1937)	...	...	...	...	...	...	3

Complaints.

During the year 174 complaints were received and dealt with:

Housing repairs	...	...	...	...	...	...	59
Rats and Mice	...	...	...	...	...	...	36
Other Animal Pests	...	...	...	...	...	...	7
Verminous Premises	...	...	...	...	...	...	1
Defective Drains and W.C. Fittings	...	...	...	...	...	...	50
Absence of or Defective Dustbins	...	...	...	...	...	...	10
Offensive Smells	...	...	...	...	...	...	1
Absence of Washing Accommodation	...	...	...	...	...	...	1
Defective Water Surface Pipes	...	...	...	...	...	...	1
Insecure Boundary Walls	...	...	...	...	...	...	1
Smoke Nuisance	...	...	...	...	...	...	1
Overcrowding	...	...	...	...	...	...	1
Cellar Flooding	...	...	...	...	...	...	1
Dirty Conditions	...	...	...	...	...	...	3
Miscellaneous	...	...	...	...	...	...	2

Notices Served.

INFORMAL—

Public Health and Housing Acts	...	...	...	...	...	...	128
Food and Drugs Acts	...	...	...	...	...	...	8

Completed:

Public Health and Housing Acts	...	...	...	...	...	...	112
Food and Drugs Acts	...	...	...	...	...	...	7

URBAN DISTRICT OF BERKHAMSTED

STATUTORY—

Public Health Act	I
Complied with	I

Work Carried Out in Connection with Notices Served.

PUBLIC HEALTH AND HOUSING ACTS :—

Dampness remedied	19
Eaves spouting and rainwater pipes repaired or renewed	9
Repairs to roofs	10
W.C. Cisterns repaired or renewed	10
W.C. pedestals repaired or renewed	20
Obsolete sanitary fittings replaced	3
Water service pipes repaired	12
Soil pipes repaired or renewed	2
Choked drains cleared	11
Drains relaid or repaired	8
Repairs to drain inspection chambers	3
Repairs to window sashes	3
Repairs to chimney flues	3
Repairs or renewals to firegrates	5
Repairs or renewals to washcoppers	3
Repairs to floors	7
Repairs to wall and ceiling plaster	14
Repairs to doors and fittings	2
Repairs to brickwork of walls	3
Rooms cleansed and redecorated	6
Filthy premises cleansed	1
Dustbins renewed	24

FOOD AND DRUGS, AND FACTORIES ACTS.

Bakehouses limewashed	5
Food-preparing rooms cleansed	2
Food-preparing equipment cleansed	2
Shop premises cleansed	1
W.C. premises cleansed	2
Provision of adequate sanitary accommodation	1
Affixing means of identification to W.C.'s	1

Disinfection and Disinfestation.

Premises disinfected after Infectious Disease	27
Premises disinfested of Vermin	12
Parcels of bedding dealt with by Steam disinfection	51

U R B A N D I S T R I C T O F B E R K H A M S T E D

Milk Production and Distribution.

(a) The Council has issued Supplementary licences to deal in Tuberculin Tested (Certified) Milk and Pasteurized milk in respect of the sale of such milk from three premises within the District. The conditions of the licences in each instance have been observed. There are no bottling or pasteurizing establishments within the area.

Periodic samples of milk have been submitted to the sediment test and with few exceptions have proved satisfactory. Adverse samples have been taken up with the dealers concerned.

The occupier of one dairy premises was requested to provide separate accommodation for male and female employees and this was provided.

(b) REGISTER :

The number of persons on the register at the end of 1947 was as follows:—

Cowkeepers only	...	...	...	...	...	...	4
Retailers (resident in area)	...	...	...	...	...	...	2
Retailers (non-resident in area)	...	...	...	...	...	...	1
Retailers of bottled milks (general shops)	...	...	...	...	...	...	1

Ice Cream.

The Ice Cream (Heat Treatment, etc.) Regulations 1947 became effective on the 1st May, 1947, and in general require that, subject to certain qualifications, the ingredients of ice cream shall be heat-treated after being mixed and that the mixture should then be cooled until the freezing process is begun. After freezing, the ice cream must not be sold unless it has been kept at a temperature not more than 28°F., unless it has again been heat-treated and then kept at not more than 28°F. after having been frozen.

The purport of the Regulations is to be commended, but in enforcing them, it became apparent that essential equipment was in short supply—orders being 18 months to 2 years in arrears—and for that reason improvisation was sought so as to comply with the Regulations.

The equipment of the four premises registered with the local authority for the manufacture of ice cream comply reasonably with the Regulations, but it is intended that these registrations should be reviewed at the end of a given period.

URBAN DISTRICT OF BERKHAMSTED

Nineteen samples of ice cream were submitted for Provisional Grading by the Methylene Blue Test with the following results:—

Manufacturer	Grade 1	Grade 2	Grade 3	Grade 4
C.	5	Nil	Nil	Nil
N.	1	1	1	1
C.	Nil	Nil	3	1
P.	Nil	1	2	Nil

Food Preparing Premises.

(Restaurants, Cafés, Snack Bars, Bakehouses, etc.).

The conduct of these premises is generally satisfactory. Only in one instance was it necessary to take action, and this had immediate results. Close supervision and inspection is maintained.

FACTORIES, WORKSHOPS AND WORKPLACES.

Prescribed Particulars on the Administration of the
Factories Act 1937.

I. INSPECTIONS for purposes of provisions as to health (including inspections made by Sanitary Inspectors)

Premises	Number on Register	Number of		
		Inspections	Written Notices	Occupiers Prosecuted
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	10	3	1	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	60	26	7	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding outworkers' premises) ...	—	—	—	—
TOTAL ...	70	29	8	—

URBAN DISTRICT OF BERKHAMSTED

2. CASES IN WHICH DEFECTS WERE FOUND

Particulars	Number of cases in which Defects were found				Number of cases in which prosecutions were instituted
	Found	Remedied	Referred		
			To H.M. Inspector	By H.M. Inspector	
Want of Cleanliness	5	5	—	—	—
Sanitary conveniences:					
(a) insufficient	1	1	—	—	—
(b) unsuitable or defective	2	2	—	—	—
(c) not separate for sexes ...	1	1	—	—	—
Other offences against the Act (not including offences relating to Outwork)			3	—	—
TOTAL	9	9	3	—	—

Outwork.

SECTION 110—

Number of Outworkers in August list required by Sect. 110(1)(c):

The making of boxes or other receptacles or parts thereof made wholly or partially of paper				2
No. of cases of default in sending lists to the Council				Nil
No. of prosecutions for failure to supply lists				Nil
SECTION 111				Nil

HOUSING

1. During the year, the following number of houses were:—

(a) COMMENCED ONLY.

	Local Authority		Private Enterprise
	Number	Type	
Prefabricated	Nil	—	Nil
Permanent	4	3 bedroom, non-parlour	25

URBAN DISTRICT OF BERKHAMSTED

(b) COMPLETED.

	Local Authority		Private Enterprise
	Number	Type	
Prefabricated ..	Nil	—	Nil
Permanent	20	3 bedroom, non-parlour	30

2. The position in regard to **Housing Schemes** at 31.12.47 was as follows:

(a) PARTICULARS OF SCHEMES COMPLETED SINCE 1.1.45 up to 31.12.47.

Site	No. of Houses	Type of house
Highfield House Estate	30	Prefabricated Bungalows
Swingate Lane Estate	20	3 bedroom, non-parlour, Permanent

(b) PARTICULARS OF SCHEMES COMMENCED SINCE 1.1.45, BUT NOT COMPLETED AT 31.12.47.

Site	Proposed No. of Houses	Type	No. commenced	No. completed
Durants Farm Estate ...	20	3 bedroom, non-parlour and 4 bed., parlour	4	Nil

3. The Sanitary Inspector states: " The general position in regard to housing within the District remains as acute as ever.

Nine inspections were made under the Housing Consolidated Regulations, and, in addition, 223 informal inspections made under the Public Health and Housing Acts. Only essential work of repair and maintenance was required.

Shortages of labour and materials caused much delay in carrying out repairs. Particularly short was the " S " trap type W.C. pan, with resultant inconvenience to tenants requiring replacements. The shortage may have been due to the unprecedented number broken as a result of the severe weather in the early part of the year."

URBAN DISTRICT OF BERKHAMSTED

WATER SUPPLIES

The District is served by the Great Berkhamsted Water Company. The supply is constant and sufficient in quality and quantity and is chlorinated. No complaint has been received during the year as to the quantity or quality of the water. The water is derived from the chalk and no complaint of plumbo-solvency or contamination by lead has occurred.

The local authority and the Water Company each submit samples of water for bacteriological examination on alternate months. The local authority submit samples for chemical analysis quarterly. The results of all samples prove the water to be highly satisfactory.

Particulars of the number of dwelling-houses and the number of population supplied from public water mains:—

Population 1947*	(a) Supply direct to Houses		(b) Supply by means of Standpipes	
	Houses	Population	Houses	Population
11,000	3,123	10,940	15 (approx)	60 (approx)

* Population figures are approximate.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS DISEASES.

The following table gives details of Notifiable Diseases (excluding Tuberculosis) during the year:—

Disease	Total Cases Notified	Admitted to Hospital	Deaths
Scarlet Fever	27	26	Nil
Whooping Cough	1	Nil	Nil
Measles	43	Nil	Nil
Pneumonia	7	—	—
Erysipelas	2	—	—
Undulant Fever	1	1	Nil
Infective Hepatitis	7	—	—

URBAN DISTRICT OF BERKHAMSTED

Analysis of Notified Cases Under Age Groups.

Age Groups	Scarlet Fever	Whooping Cough	Measles	Pneumonia	Erysipelas	Undulant Fever	Infective Hepatitis
Under 1 year ...	...	...	1	...	...	...	...
1 to 2 years ...	...	...	...	...	...	...	...
2 to 3 „ ...	...	...	1	...	...	...	1
3 to 4 „ ...	...	...	5	...	...	...	...
4 to 5 „ ...	...	...	3	...	...	...	...
5 to 10 „ ...	17	1	19	2	...	...	...
10 to 15 „ ...	5	...	4	1	...	1	...
15 to 20 „ ...	4	...	7	...	...	...	3
20 to 35 „ ...	1	...	3	1	...	...	3
35 to 45 „ ...	...	...	...	...	...	...	...
45 to 65 „ ...	...	...	...	3	2	...	...
65 and upwards ..	...	...	...	...	...	...	...
TOTAL CASES NOTIFIED ...	27	1	43	7	2	1	7

Scarlet Fever.

Of the 27 cases, 14 occurred during the months of May and June, and of these, 8 occurred among children at the Thomas Coram Schools. There was a prevalence of the disease at Berkhamsted Girls' School, the first three cases occurring among boarders who had returned from Christmas holidays a few days previously; three other cases occurred among day girls.

All cases except one were removed to isolation hospital. Owing to the difficulty in obtaining staff at Aldbury Hospital, a number of cases were accepted at Hemel Hempstead Isolation Hospital (7), St. Albans Sisters' Hospital (2), and Tring Isolation Hospital (2).

Measles.

Cases of Measles occurred from December 1946 to June 1947, the majority occurring in February and March. The total number of cases only reached 43. In no case was removal to hospital found to be necessary.

URBAN DISTRICT OF BERKHAMSTED

Poliomyelitis.

No cases occurred in the Urban District.

Undulant Fever.

One case, a schoolchild, occurred during the year. Enquiries pointed to the probability of the infection having been acquired while the child was away from the neighbourhood.

Diphtheria.

No case of diphtheria occurred during the year.

IMMUNISATION :

Number of children who completed a full course of primary immunisation in the Authority's area (including temporary residents) in the year 1947			Total number of children who were given a secondary or reinforcing injection (i.e. subsequent to complete full course)
Age at date of Final Injection		Total	During the year ended 31st December, 1947
Under 5	5—14		
88	20	108	80

Approximate percentage of children in the Urban District who had been immunised at the end of 1947 ... 55%.

Tuberculosis.

NEW CASES.				DEATHS.			
Pulmonary	...	...	4	Pulmonary	...	...	5
Non-Pulmonary	...	...	2	Non-Pulmonary	...	...	Nil

Health Propaganda.

During the autumn, three addresses on health subjects were arranged with the assistance of the Central Council for Health Education. They were accompanied by health films and were delivered to nurses, teachers, leaders of youth and leaders of various organisations, and were given with the object of leading to further addresses to suitable bodies in the District. That they filled their purpose to some extent has been shown by recent requests for talks on health subjects from several organisations in the Urban District.

RURAL DISTRICT OF BERKHAMSTED

STATISTICS

The Rural District of Berkhamsted is composed of the parishes of Northchurch, Aldbury, Wigginton, Tring Rural, Nettleden (with Potten End), Little Gaddesden and Puttenham, which comprises an area of 17,572 acres.

Population (Registrar-General's estimate of the resident population) 1947	...	...	...	...	...	5,734
Number of inhabited houses (end of 1947) according to rate books	...	...	...	...	...	1,532
Rateable Value	...	...	...	...	...	£36,640
Sum represented by a penny rate	...	...	...	...	...	£140

Extracts from Vital Statistics for the Year.

		Total.	M.	F.	
LIVE BIRTHS	(Legitimate	98	52	46	BIRTH-RATE
	(				) per 1,000 of the
	(Illegitimate	2	1	1	) estimated resi-
					dent population 17.4
STILL-BIRTHS	(Legitimate	1	—	1	STILL-BIRTH
	(				) RATE per 1,000
	(Illegitimate	—	—	—	) (live and still)
					births 10.0
DEATHS	...	66	32	34	DEATH-RATE
					per 1,000 of the
					estimated resi-
					dent population 11.5

Deaths from Puerperal Causes NIL

Death-Rate of Infants Under One Year of Age.

All infants per 1,000 live births	...	...	...	20.0
Legitimate infants per 1,000 legitimate births	...	...	...	20.4
Illegitimate infants per 1,000 illegitimate births	...	...	...	Nil
Actual number of deaths under one year:				
Legitimate	...	...	...	2) Total
Illegitimate	...	...	...	— ) 2

RURAL DISTRICT OF BERKHAMSTED

Deaths from Cancer (all ages)	...	...	...	14
Deaths from Measles (all ages)	...	...	...	NIL
Deaths from Whooping Cough (all ages)	...	...	...	NIL
Deaths from Diarrhoea (Under 2 years of age)	...	...	...	NIL

Principal Causes of Death.

Of the 66 deaths, 25 were attributable to Heart Disease and 10 to Other Circulatory Diseases, 1 death was due to Respiratory Tuberculosis and 4 to Other Respiratory Diseases. There were 14 deaths from Cancer and 1 death from Road Traffic Accident.

Causes of Death of Infants Under One Year of Age.

Of the 2 deaths, one was due to Birth Injury and the other to Broncho-Pneumonia and Nephritis. One death was under, and the other over three months of age.

REPORT OF THE SANITARY INSPECTOR'S WORK FOR THE YEAR 1947.

Visits and Inspections Made.

GENERAL :	Houses—Public Health Acts	...	...	165
	Housing Acts	...	...	365
	Overcrowding	...	...	12
	Infectious diseases and			
	disinfection			36
	Complaints investigated	...		43
	Drainage inspections and tests	...	...	64
	Tents, Vans and Sheds	...	...	12
	Factories, Workshops and Workplaces			28
	Bakehouses	...	...	12
	Schools	...	...	16
	Petroleum Stores	...	...	22
	Work in Progress	...	...	289
	Verminous premises	...	...	6
	Cesspools	...	...	71
	Canal Boats	...	...	21
	Licensed premises (Hotels & Beerhouses)			9
	Rivers and Streams	...	...	12
	Premises disinfected	...	...	21

RURAL DISTRICT OF BERKHAMSTED

MEAT AND FOOD :	Slaughterhouses	...	...	...	...	Nil
	Cowsheds and Dairies	...	...	...	...	97
	Milk samples taken—" Minit " test	...	...	...	...	9
	Water Samples taken	...	...	...	...	3
	Food Stores	...	...	...	...	16

Nuisances and Defects Remedied.

Houses	...	...	...	...	...	189
Drainage and Cesspools	...	...	...	...	...	56
W.C.'s	...	...	...	...	...	54
Dairies and Cowsheds	...	...	...	...	...	16
Factories	...	...	...	...	...	8

Notices Served and Complied With.

Outstanding 31.12.46	Served 1947	Complied with 1947	Outstanding 31.12.47
<hr/> 18 <hr/>	<hr/> 67 <hr/>	<hr/> 75 <hr/>	<hr/> 10 <hr/>

Disinfestation.

There has been no disinfestation carried out during the year.

Milk Production and Distribution.

REGISTER :

The number of persons on the register at the end of 1947 was as follows:—

Cowkeepers only	...	...	...	...	50
Cowkeeper Retailers	...	...	...	...	18
Retailers (non-resident in area)	...	...	...	...	4

RURAL DISTRICT OF BERKHAMSTED

FACTORIES, WORKSHOPS AND WORKPLACES.

Prescribed Particulars on the Administration of the Factories Act 1937.

I. INSPECTIONS for purposes of provisions as to health (including inspections made by Sanitary Inspectors)

Premises	Number on Register	Number of		
		Inspections	Written Notices	Occupiers Prosecuted
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	7	20	—	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	2	4	—	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding outworkers' premises) ...	—	—	—	—
TOTAL ...	9	24	—	—

2. CASES IN WHICH DEFECTS WERE FOUND

Particulars	Number of cases in which Defects were found				Number of cases in which prosec- utions were instituted
	Found	Reme- died	Referred		
			To H.M. Inspector	By H.M. Inspector	
Sanitary conveniences:					
(a) insufficient	1	1	—	—	—
(b) unsuitable or defective	2	2	—	—	—
TOTAL ...	3	3	—	—	—

Outwork.

Sections II O and III Nil

RURAL DISTRICT OF BERKHAMSTED

HOUSING

I. Rural Housing Survey.

The following was the position at the end of the year:—

Total No. of houses for inspection	Number of houses inspected	Number of reinspections following initial visit	Classification *				
			1	2	3	4	5
1,109	418	47	102	52	250	—	14

* Note: Classification—

1. Satisfactory in all respects.
2. Minor Defects.
3. Requiring repair, structural alteration or improvement.
4. Appropriate for reconditioning under the Housing (Rural Workers) Acts.
5. Unfit for habitation and beyond repair at a reasonable expense.

2. During the year, the following number of houses were:—

(a) COMMENCED ONLY.

	Local Authority		Private Enterprise
	Number	Type	
Prefabricated ...	Nil	—	Nil
Permanent ...	10	3 bedroom, non-parlour	15

(b) COMPLETED.

	Local Authority		Private Enterprise
	Number	Type	
Prefabricated ...	Nil	—	Nil
Permanent...	10	8 Non-parlour, 3 bedroom 2 Non-parlour, 2 bedroom	24

RURAL DISTRICT OF BERKHAMSTED

3. The position in regard to **Housing Schemes** at 31.12.47 was as follows:

(a) PARTICULARS OF SCHEMES COMPLETED SINCE 1.1.45 up to 31.12.47.

Site	Number of houses	Type of house
Chesham Road, Wigginton	6	4 non-parlour, 3 bedroom 2 non-parlour, 2 bedroom
Malting Lane, Aldbury ...	4	2 parlour, 3 bedroom 2 non-parlour, 3 bedroom
Nettleden Road, Little Gaddesden ...	6	2 parlour, 3 bedroom 4 non-parlour, 3 bedroom
New Road, Wilstone ...	4	Non-parlour, 3 bedroom

(b) PARTICULARS OF SCHEMES COMMENCED SINCE 1.1.45, BUT NOT COMPLETED AT 31.12.47.

Site	Proposed No. of houses	Type	No. commenced	No. completed
Nettleden Road, Little Gaddesden ...	6	Non-parlour, 3 bedroom	6	—

(c) PARTICULARS OF OTHER SCHEMES PROJECTED SINCE 1.1.45 (i.e., Schemes about which arrangements are in hand, but where a start had not been made at 31.12.47).

Site	Proposed No. of houses	Type
Tring Rd., Long Marston	6	Parlour, 3 bedroom

WATER SUPPLIES

The parishes of Tring Rural, Puttenham, Wigginton and Aldbury receive constant water supplies from the Bucks Water Board. Little Gaddesden and the hamlet of St. Margaret's are supplied by Ashridge Water Company—a sample taken was satisfactory. The Great Berkhamsted Water Company supply the parishes of Potten End and Northchurch in part. During the year a commencement was made in connecting 21 houses on Northchurch Common to the main. (This was completed in 1948.)

RURAL DISTRICT OF BERKHAMSTED

There is no piped supply to the hamlets of Frithsden or Nettleden.

There has been no evidence of plumbo-solvency occurring in the water; supplies have a considerable degree of hardness. No action has been necessary in respect of contamination.

Particulars of the number of dwelling-houses and the number of population supplied from public water mains:—

Parish	Population 1947 *	(a) Supply direct to Houses		(b) Supply by means of Standpipes	
		Houses	Pop'n	Houses	Pop'n
Aldbury	860	238	799	15	49
Little Gaddesden	1320	240	1320	...	...
Nettleden (with Potten End)	982	224	874	3	7
Northchurch	841	220	788	...	...
Puttenham	100	34	100	...	...
Tring Rural	737	183	681	13	48
Wigginton	990	244	973	...	...

* Population figures are approximate.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS DISEASES.

The following table gives details of Notifiable Diseases (excluding Tuberculosis) during the year:—

Disease	Total Cases Notified	Admitted to Hospital	Deaths
Scarlet Fever	10	10	Nil
Whooping Cough	4	Nil	Nil
Acute Poliomyelitis	1	1	Nil
Measles	24	1	Nil

RURAL DISTRICT OF BERKHAMSTED

Analysis of Notified Cases Under Age Groups.

Age Groups	Scarlet Fever	Whooping Cough	Poliomyelitis	Measles
Under 1 year ...	...	...	...	...
1 to 2 years ...	...	...	...	...
2 to 3 „ ...	...	...	...	...
3 to 4 „ ...	1	1	...	3
4 to 5 „ ...	1	2	...	3
5 to 10 „ ...	2	1	...	12
10 to 15 „ ...	6	...	...	2
15 to 20 „ ...	...	...	...	...
20 to 35 „ ...	...	...	1	4
35 to 45 „ ...	...	...	...	...
45 to 65 „ ...	...	...	...	...
65 and upwards ..	...	...	...	...
TOTAL CASES NOTIFIED ...	10	4	1	24

Scarlet Fever.

Of the 10 cases, 3 were among children from Bedfordshire attending a Camp School in the District. 5 of the other cases were children attending different schools in the neighbourhood. Owing to the difficulty in obtaining staff at Aldbury Isolation Hospital, all except one case were nursed at Hemel Hempstead Isolation Hospital (4) and Tring Isolation Hospital (5).

Poliomyelitis.

One case occurred in an adult recently living in the District. The case was accepted at Watford Isolation Hospital.

Diphtheria.

No case occurred in the district during the year.

IMMUNISATION :

Number of children who completed a full course of primary immunisation in the Authority's area (including temporary residents) in the year 1947			Total number of children who were given a secondary or reinforcing injection (i.e. subsequent to complete full course)
Age at date of Final Injection		Total	During the year ended 31st December, 1947
Under 5	5—14		
50	4	54	27

RURAL DISTRICT OF BERKHAMSTED

Approximate percentage of children in the Rural District who had been immunised at the end of 1947 ... 43%.

Tuberculosis.

NEW CASES.				DEATHS.			
Pulmonary	...	...	3	Pulmonary	...	...	1
Non-Pulmonary	...	...	Nil	Non-Pulmonary	...	...	Nil

URBAN DISTRICT OF TRING

STATISTICS

The Urban District of Tring comprises an area of 4,407 acres.

Population (Registrar-General's estimate of the resident population) 1947 4.989

Number of inhabited houses (end of 1947) according to rate books 1,547

Rateable Value £30,957

Sum represented by a penny rate £120

Extracts from Vital Statistics for the Year.

		Total.	M.	F.	
LIVE	(Legitimate	105	60	45	BIRTH-RATE per 1,000 of the estimated resi- dent population 22.9
BIRTHS	(
	(Illegitimate	9	5	4	

STILL-BIRTHS Nil

DEATHS	...	70	28	42	DEATH-RATE per 1,000 of the estimated resi- dent population 14.0
--------	-----	----	----	----	---

Deaths from Puerperal Causes NIL

Death-Rate of Infants Under One Year of Age.

All infants per 1,000 live births 43.9

Legitimate infants per 1,000 legitimate births 28.6

Illegitimate infants per 1,000 illegitimate births 222.2

Actual number of deaths under 1 year:

Legitimate	...	...	...	...	3	) Total
Illegitimate	...	...	...	...	2	
						5

Deaths from Cancer (all ages) 11

Deaths from Measles (all ages) NIL

Deaths from Whooping Cough (all ages) NIL

Deaths from Diarrhoea (Under 2 years of age) NIL

U R B A N D I S T R I C T O F T R I N G

Principal Causes of Death.

Of the 70 deaths, 22 were attributable to Heart Disease and 14 to Other Diseases of the Circulation: 2 deaths were due to Respiratory Tuberculosis and 5 to Other Diseases of the Respiratory Sytem. There were 11 deaths from Cancer.

Causes of Death of Infants Under One Year of Age.

Of the 5 deaths, 3 were attributable to Congenital Causes, 1 to Disease and 1 to Accident. 3 of the deaths occurred below the age of three months.

REPORT OF THE SANITARY INSPECTOR'S WORK FOR THE YEAR 1947.

Visits and Inspections.

GENERAL :	Regarding complaints and defects	...	...	27
	To Properties under Notice	...	...	9
	Disinfections carried out	...	...	4
	Factories and Workshops	...	...	10
	Cinemas	...	...	1
	Public Halls	...	...	1

		<i>No. in District.</i>		<i>Inspections.</i>
MEAT AND FOOD :	Shops and Foodstores	...	...	55
	Dairies and Cowsheds	17	...	34
	Bakehouses	...	7	9
	Slaughterhouses	...	1	1

Nuisances and Defects Remedied.

Ceilings	...	...	...	...	2
Drains	...	...	...	...	2
W.C.'s	...	...	...	...	7
Floors	...	...	...	...	3
Ranges	...	...	...	...	3
Roofs	...	...	...	...	2
Manhole Covers	...	...	...	...	1
Water Pump	...	...	...	...	1
Gutters	...	...	...	...	1
Stairs	...	...	...	...	1
Unsafe Buildings	...	...	...	...	1
Total					24

URBAN DISTRICT OF TRING

Milk Production and Distribution.

REGISTER :

The number of persons on the register at the end of the year was as follows:—

Producers	...	...	...	...	12
Retailers (resident in area)	...	...	...	...	12
Retailers (non-resident in area)	...	...	...	...	4
Retailers (bottled milk only)	...	...	...	...	1
Total					29

Meat Inspection—Tring Abattoir.

This Abattoir deals with all home killed meat supplied to Tring Urban District, Berkhamsted Urban District and Berkhamsted Rural District. Inspection during the year has been carried out by Mr. G. E. Brogan, Sanitary Inspector, Berkhamsted Urban District.

The following is a report on the year's work:—

Table 1. Carcasses Inspected and Condemned.

	Cattle excl- uding Cows	Cows	Calves	Sheep and Lambs	Pigs
Number killed	615	162	832	2126	72
Number inspected	615	162	832	2126	72
All Diseases Except Tuberculosis:					
Whole carcasses condemned	1	1	1	3	...
Carcasses of which some part or organ was condemned	153	53	3	54	10
Tuberculosis only:					
Whole carcasses condemned	1	2	...	...	1
Carcasses of which some part or organ was condemned	39	40	...	...	3

URBAN DISTRICT OF TRING

Table 2. Details of Meat Condemned as Unfit for Human Consumption.

				<i>Weight (lbs.)</i>
Beef	...	Tuberculosis	...	4,663
Beef	...	Other Diseases	...	5,110
Veal	...	Other Diseases	...	66
Mutton	...	Other Diseases	...	518
Pork	...	Tuberculosis	...	585
Pork	...	Other Diseases	...	304
TOTAL = 5 tons 1 Qr. 16 lbs.				

FACTORIES, WORKSHOPS AND WORKPLACES.

Prescribed Particulars on the Administration of the Factories Act 1937.

I. INSPECTIONS for purposes of provisions as to health (including inspections made by Sanitary Inspectors)

Premises	Number on Register	Number of		
		Inspections	Written Notices	Occupiers Prosecuted
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	12	5	3	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	25	—	—	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding outworkers' premises) ...	—	—	—	—
TOTAL ...	37	5	3	—

URBAN DISTRICT OF TRING

2. CASES IN WHICH DEFECTS WERE FOUND

Particulars	Number of cases in which Defects were found				Number of cases in which prosecutions were instituted
	Found	Remedied	Referred		
			To H.M. Inspector	By H.M. Inspector	
Want of Cleanliness	4	4	—	—	—
Ineffective Drainage of Floors	1	1	—	—	—
TOTAL ...	5	5	—	—	—

Outwork.

Sections IIO and IIII Nil

HOUSING

1. During the year the following number of houses were:—

(a) COMMENCED ONLY.

	Local Authority		Private Enterprise
	Number	Type	
Prefabricated	Nil	—	Nil
Permanent	34	3 bedroom, parlour	32

(b) COMPLETED.

	Local Authority		Private Enterprise
	Number	Type	
Prefabricated	Nil	—	Nil
Permanent... ..	12	3 bedroom, parlour	13

URBAN DISTRICT OF TRING

2. The position in regard to **Housing Schemes** at 31.12.47 was as follows:

(a) PARTICULARS OF SCHEMES COMMENCED SINCE 1.1.45 BUT NOT COMPLETED AT 31.12.47.

Site	Proposed No. of houses	Type	No. commenced	No. completed
Woodland Close, Park Road ...	46	3 bedroom, parlour	46	12

(b) PARTICULARS OF OTHER SCHEMES PROJECTED SINCE 1.1.45 (i.e., Schemes about which arrangements are in hand, but where a start had not been made at 31.12.47).

Site	Proposed No. of houses	Type
Gammel, New Mill ...	14	Parlour, 3 bedroom

WATER SUPPLIES

The whole District, with the exception of the hamlet of Bulbourne and a small group of cottages at Little Tring, is supplied by the Bucks Water Board.

The water is of excellent quality and no general restrictions in the supply were imposed during the year. Samples for bacteriological analysis are taken monthly by the County Health Laboratories and results have been satisfactory. The water has no plumbo-solvent action. A chlorine dosing apparatus is in use.

There are 28 houses supplied by stand-pipes. In the case of 63 houses, the taps are in the wash-house.

Particulars of the number of dwelling-houses and the number of population supplied from public water mains:—

Population 1947*	(a) Supply direct to Houses		(b) Supply by means of Standpipes	
	Houses	Population	Houses	Population
5,080	1,501	4,878 (approx)	28	92 (approx)

* Population figure is approximate.

SEWERAGE AND DRAINAGE.

No sewer extensions have been undertaken by the Council during the year.

URBAN DISTRICT OF TRING

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS DISEASES.

The following table gives details of Notifiable Diseases (excluding Tuberculosis) during the year:—

Disease	Total Cases Notified	Admitted to Hospital	Deaths
Scarlet Fever	2	2	Nil
Whooping Cough	3	Nil	Nil
Measles	13	Nil	Nil
Paratyphoid ' B ' Fever ...	1	1	Nil

Analysis of Notified Cases Under Age Groups.

Age Groups	Scarlet Fever	Whooping Cough	Measles	Paratyphoid Fever
Under 1 year ...	...	...	...	...
1 to 2 years ...	...	...	1	...
2 to 3 „ ...	...	...	1	...
3 to 4 „ ...	1	1	...	...
4 to 5 „ ...	...	...	...	...
5 to 10 „ ...	1	2	4	...
10 to 15 „ ...	...	...	5	...
15 to 20 „ ...	...	...	2	...
20 to 35 „ ...	...	...	...	1
35 to 45 „ ...	...	...	...	...
45 to 65 „ ...	...	...	...	...
65 and upwards ..	...	...	...	...
TOTAL CASES NOTIFIED ...	2	3	13	1

Diphtheria.

No case occurred during the year.

IMMUNISATION :

Number of children who completed a full course of primary immunisation in the Authority's area (including temporary residents) in the year 1947			Total number of children who were given a secondary or reinforcing injection (i.e. subsequent to complete full course)
Age at date of Final Injection		Total	During the year ended 31st December, 1947
Under 5	5—14		
68	5	73	17

URBAN DISTRICT OF TRING

Approximate percentage of children in the Urban District who had been immunised at the end of 1947 ... 70%.

Tuberculosis.

NEW CASES.			DEATHS.		
Pulmonary	...	2	Pulmonary	...	2
Non-Pulmonary	...	Nil	Non-Pulmonary	...	Nil

**TABLE SHOWING BIRTH-RATES, DEATH-RATES AND
INFANTILE MORTALITY RATES**

Area	Birth- Rate per 1,000 Population	Death- Rate per 1,000 Population	Infantile Mortality per 1,000 Live Births
England and Wales	20.5	12.0	41
126 County Boroughs and Great Towns including London	23.3	13.0	47
148 Smaller Towns (Resident Popu- lation 25,000 to 50,000, 1931 Census)	22.2	11.9	36
London Administrative County ...	22.7	12.8	37
BOROUGH OF HEMEL HEMPSTEAD ...	22.5	12.1	28.5
RURAL DISTRICT OF HEMEL HEMPSTEAD ...	25.0	11.8	28.0
URBAN DISTRICT OF BERKHAMSTED ...	17.7	10.2	35.7
RURAL DISTRICT OF BERKHAMSTED ...	17.4	11.5	20.0
URBAN DISTRICT OF TRING ...	22.9	14.0	43.9
WHOLE SOUTH HERTS (No. 1) COMBINED SANITARY DISTRICT	21.5	11.8	30.4

